

(19)



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) Publication number:

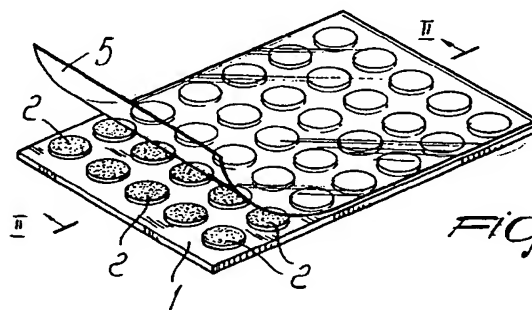
**0 609 826 A2**

(12)

**EUROPEAN PATENT APPLICATION**(21) Application number: **94101459.9**(51) Int. Cl.<sup>5</sup>: **C09J 7/02**(22) Date of filing: **01.02.94**(30) Priority: **05.02.93 IT MI930094 U**(43) Date of publication of application:  
**10.08.94 Bulletin 94/32**(84) Designated Contracting States:  
**CH DE FR GB LI**(71) Applicant: **Triggianese, Dorianò**  
**Via Baracche, 12**  
**I-24030 Mapello (Bergamo)(IT)**(72) Inventor: **Triggianese, Dorianò**  
**Via Baracche, 12**  
**I-24030 Mapello (Bergamo)(IT)**(74) Representative: **Modiano, Guido, Dr.-Ing. et al**  
**Modiano & Associati S.r.l.**  
**Via Meravigli, 16**  
**I-20123 Milano (IT)**

(54) **Composite support for a plurality of removable adhesive flat elements suitable to facilitate the selection and/or handling of paper items and the like.**

(57) Composite structure with removable adhesive elements for facilitating the handling of paper items, constituted by a flat supporting element (1) having a smooth surface and on at least one side whereof a plurality of flat laminar elements (2,3,4) is removably applied; the opposite surfaces of the laminar elements are coated with adhesive material, and one surface of the laminar elements is coated with adhesive material of a removable kind or that has a lower adhesive power than the material present on the opposite surface of the same element; the less adhesive surfaces are applied directly to the supporting element, whereas the opposite surfaces are protected by a continuous plastic film (5) or the like which can be raised so as to allow, after lifting the plastic film, to remove each individual laminar element from the support by virtue of the adhesion by contact of the tip (6) of the index finger on the laminar element.

**EP 0 609 826 A2****BEST AVAILABLE COPY**

Further characteristics and advantages of the support according to the present invention will become apparent from the following detailed description thereof, given with reference to the accompanying drawings, which are provided merely by way of non-limitative example and wherein:

figure 1 is a perspective view of a composite structure with double-adhesive elements, produced according to the invention;

figure 2 is a median sectional view, taken along the plane II-II of figure 1;

figure 3 is a view of three different types of double-adhesive elements that can be used on the support of figures 1 and 2;

figure 4 is a longitudinal median sectional view of a rectangular support which can be folded up in an accordion-like or similar manner, with double-adhesive elements on one side only;

figure 5 is a view of the same structure of figure 1, but with adhesive elements on both opposite sides; and

figure 6 is a schematic view of the position of the index finger as it couples to a double-adhesive disk to remove it from its support.

With reference to the above figures, and particularly to figures 1 to 3, the composite structure according to the present invention is constituted by a supporting element 1, constituted by a cardboard sheet, by a lamina of rigid plastic or other material, having a smooth surface and being preferably rectangular but also polygonal or circular.

Several disks 2 made of paper or plastic film, for example polypropylene, are applied on one side of said support 1 in equidistant positions along rows and columns; said disks have a circular shape 2 (or a polygonal shape 3 or an oval shape 4) (figure 3) and are coated with adhesive material on their opposite faces.

More specifically, a known adhesive material, more particularly an acrylic material or the like, commercially known by the conventional term "removable adhesive material", i.e. a material having such adhesion characteristics as to allow multiple reuse (adhesion to the sheets to be handled), i.e. such as to maintain its adhesive properties even after several uses, is applied on the face 2a of each disk that is meant to remain in contact with the surface of the support 1.

An acrylic adhesive having greater adhesive properties is instead applied on the opposite face 2b (3b or 4b) which is meant to remain in view, so as to allow the finger to remove the disk from the support and retain it for a long time on the finger while the sheets of a book, magazine or the like are being handled.

The series of double-adhesive disks 2 (or 3 and 4) is furthermore protected and/or covered by a thin plastic film 5 which is preferably transparent

and can be raised as shown in figure 1; said film remains in place on the disks because it is retained by adhesion by the surfaces 2b (or 3b, 4b) and can be partially raised to allow the removal of each individual disk before using it.

Also according to the invention, the flat supporting element can be constituted by a long rectangular piece of cardboard 1a which has said disks 2 (or 3 or 4) on one side, as shown in figure 4, and is then folded up once or more than once in an accordion-like manner; in this case, each element 1a of the accordion-like element has a transparent plastic film 5-5a etc. to easily lift said film after each support 5, 5a etc. has been emptied.

Furthermore, said double-adhesive disks can be formed by a double-adhesive film, i.e. without a paper or plastic core; in this case, the double-adhesive material is made in the shape of a film the mechanical strength whereof is sufficient to withstand its removal from the support by the finger.

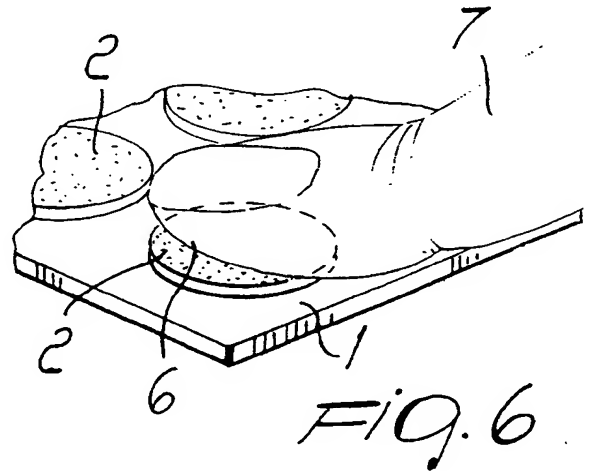
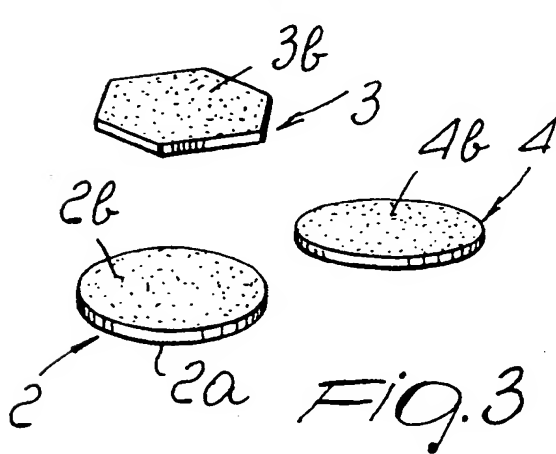
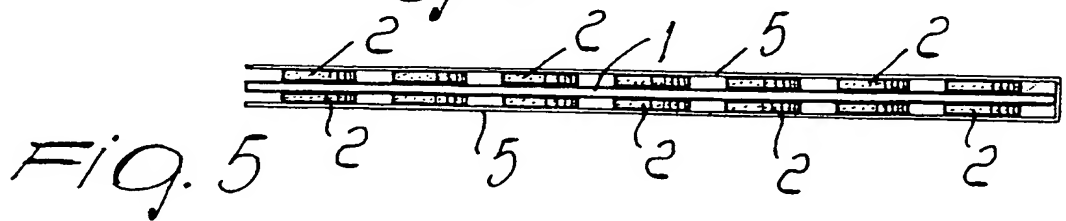
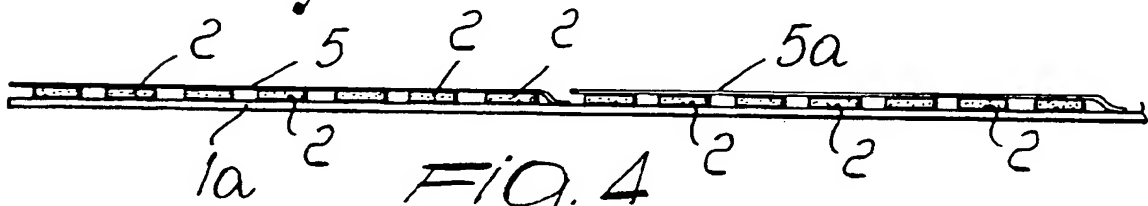
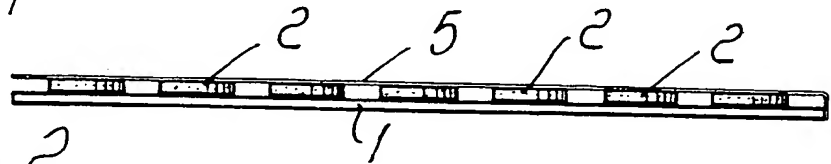
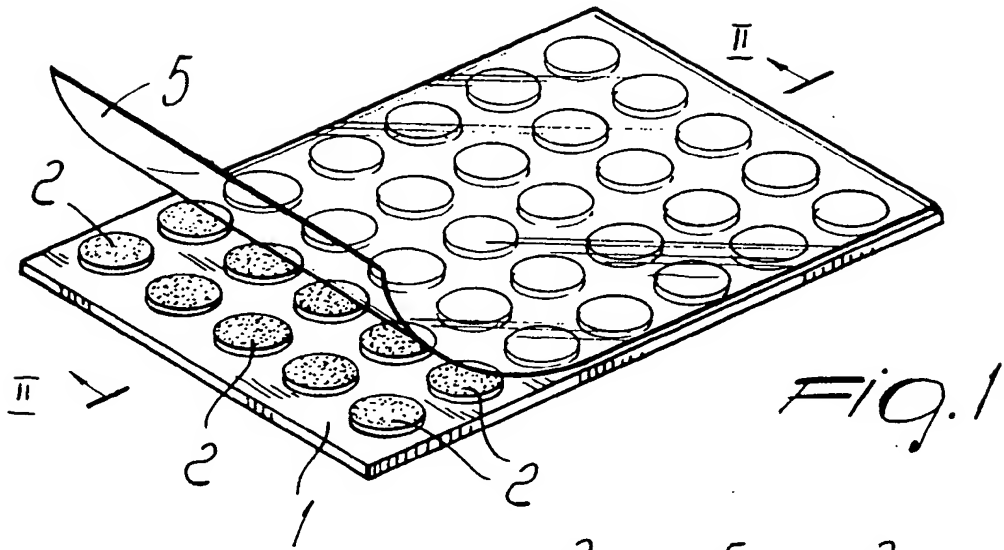
This solution is suitable, for example, for offices, for browsing through large files and the like, whereas for occasional use, for example to read newspapers, magazines, books and the like even in uncomfortable conditions it is possible to provide a structure such as the one shown in figure 5. In this case, the disks 2 are placed on both of the opposite sides of the support 1, and the protective plastic film 5 can be a single film wrapped around both sides of said support.

The structure with double-adhesive elements as illustrated and as described above is used by partially lifting the film 5 so as to expose part of the adhesive disks, then placing the tip 6 of a finger, for example of the right index 7, on a disk 2 (figure 6), and removing said disk, which remains fixed to the finger for all the time required to handle the sheets in the conventional manner.

In practice it has been observed that it is not only easy but also very effective to leaf and/or lift individual pages of a book or magazine, since the removable adhesive which is present on the underlying face of the disk that is stuck under the finger allows to move the pages or sheets without folding or creasing them and at the same time allows, with a single disk stuck under one finger, to handle several pages before requiring replacement with another double-adhesive disk.

Obviously, in its practical execution, the invention as described above is susceptible to modifications in the materials employed and in the characteristics and types of adhesive used, in the dimensions of its various components and in their colorings, without abandoning the protective scope of the invention.

Where technical features mentioned in any claim are followed by reference signs, those refer-



(19)



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) Publication number:

**0 609 826 A3**

(12)

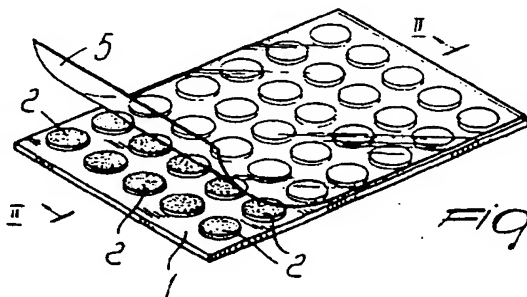
**EUROPEAN PATENT APPLICATION**(21) Application number: **94101459.9**(51) Int. Cl.5: **C09J 7/02**(22) Date of filing: **01.02.94**(30) Priority: **05.02.93 IT MI930094 U**(43) Date of publication of application:  
**10.08.94 Bulletin 94/32**(64) Designated Contracting States:  
**CH DE FR GB LI**(68) Date of deferred publication of the search report:  
**26.10.94 Bulletin 94/43**(71) Applicant: **Triggianese, Dorianò**  
**Via Baracche, 12**  
**I-24030 Mapello (Bergamo) (IT)**(72) Inventor: **Triggianese, Dorianò**  
**Via Baracche, 12**  
**I-24030 Mapello (Bergamo) (IT)**(74) Representative: **Modiano, Guido, Dr.-Ing. et al**  
**Modiano & Associati S.r.l.**  
**Via Meravigli, 16**  
**I-20123 Milano (IT)**

BEST AVAILABLE COPY

BEST AVAILABLE COPY

- (54) **Composite support for a plurality of removable adhesive flat elements suitable to facilitate the selection and/or handling of paper items and the like.**

(57) Composite structure with removable adhesive elements for facilitating the handling of paper items, constituted by a flat supporting element (1) having a smooth surface and on at least one side whereof a plurality of flat laminar elements (2,3,4) is removably applied; the opposite surfaces of the laminar elements are coated with adhesive material, and one surface of the laminar elements is coated with adhesive material of a removable kind or that has a lower adhesive power than the material present on the opposite surface of the same element; the less adhesive surfaces are applied directly to the supporting element, whereas the opposite surfaces are protected by a continuous plastic film (5) or the like which can be raised so as to allow, after lifting the plastic film, to remove each individual laminar element from the support by virtue of the adhesion by contact of the tip (6) of the index finger on the laminar element.



EP 0 609 826 A3